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## PATENTS RECORDATION COVER SHEET

TATEINIO RECORDATION COVER OFFEET				
To the Assistant Commissioner of Patents and Trademarks:	Please record the attached original document or copy thereof.			
Name of conveying party(ies):	2. Name and Address of receiving party(ies):			
Kiyonori OYU Atsushi OGISHIMA Hiroyuki UCHIYAMA	ELPIDA MEMORY, INC. 2-1, Yaesu 2-chome Chuo-ku, Tokyo, JAPAN			
Keizo KAWAKITA Masahito SUZUKI	HITACHI ULSI SYSTEMS CO., LTD. 22-1, Josuihoncho 5-chome Kodaira-shi, Tokyo, JAPAN			
	HITACHI, LTD. 6, Kanda Surugadai 4-chome Chiyoda-ku, Tokyo, JAPAN			
Type of Entity: Individuals	Type of Entity: Corporations of Japan			
Additional names(s) of conveying party(ies) attached? No	Additional name(s) & address(es) attached? No			
3. Nature of Conveyance:				
Assignment	•			
Execution Date: July 27, 2004				
4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execu	tion date of the application is:			
A. Application No.(s)	B. Patent No.(s)			
10/626,095				
	•			
Additional numbers	attached? No			
<ol><li>Name and address of party to whom correspondence concerning document should be mailed:</li></ol>	6. Total number of documents involved: 1			
OSTROLENK, FABER, GERB & SOFFEN, LLP	7. Total fee (37 CFR 3.41): \$ 40.00			
1180 Avenue of the Americas  New York, New York 10036-8403	Enclosed as part of Check No. 17836			
14CW 10IK, 14CW 10IK 10000 0400	In the event the actual fee is greater than the payment submitted or is inadvertently not enclosed or if any additional fee due is not paid, the Patent and Trademark Office is authorized to charge the underpayment to Deposit Account No. 15-0700.			
DO NOT USE	THIS SPACE			
8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.				
MAX MOSKOWITZ	August 27, 2004			
Name of Person Signing  Total number of pages includin	Signature Date g cover sheet, attachments, and document: 6			

ASSIGNMENT OF APPLICATION	P/126-221
Whereas, I/We, Kiyonori OYUof Tokyo	o, Japan ,hereafter
referred to as applicant, have invented certain new and useful improvement SEMICONDUCTOR MEMORY DEVICE AND METHOD OF MANUFACTU	
for which an application for a United States Patent was filed on $\frac{7/21}{626,095}$ .	+/2003
for which an application for a United States Patent was executed on	oan , and
Whereas, Elpida Memory, Inc. of Tokyo, Japan	1
Hitachi ULSI Systems, Co., Ltd. of Tokyo, Japan	herein referred to
"assignees" whose mailing addresses are 2-1, Yaesu 2-chome, Chuo-	-chome, Chivoda-ku, Tokvo, Japan
22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo, Japan, respectively,	are
assign and transfer unto said assignee the full and exclusive right to the sand the entire right, title and interest in and to any and all Patents which United States, I/We hereby authorize and request the Commissioner of Patential States Patent to said assignee, of the entire right, title, and interest use and behoof; and for the use and behoof of his legal representatives, to said Patent may be granted, as fully and entirely as the same would assignment and sale not been made.	h may be granted therefor in the tent and Trademarks to issue said at in and to the same, for his sole the full end of the term for which
Executed this 27th day of July	, 20 <sup>04</sup>
atTokyo, Japan	·
Witness:  Takashi Ozawa (1)	Tayonon o ro
Note: Signatures of all the inventors or assignees of record of the entire interest or their repres forms if more than one signature is required, See below*.	entative(s) are required. Submit multiple
*  Total offorms are submitted.	

Sample Form (former PTO/SB/15) (05-01)

ASSIGNMENT OF APPLICATION	Docket Number (Optional)				
ACCIONIMENT OF AFFEIGATION	P/126-221				
Whereas, I/We, Masahito SUZUKI of	Tokyo, Japan,hereafter				
referred to as applicant, have invented certain new and useful improvements in					
x for which an application for a United States Patent was filed of Application Number 10 / 626,095	on 7/24/2003				
for which an application for a United States Patent was executive.  Hitachi, Ltd. of Toleran	yo, Japan				
Whereas, Elpida Memory, Inc. of Tok	yo, Japan and				
Hitachi ULSI Systems, Co., Ltd. of Tokyo, J. 6, Kanda Surug 2-1, Yaesu 2-chom	herein referred to adai 4-chome, Chiyoda-ku, Tokyo, Japan and				
22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo, Japan, resp	ectively, are				
Now, therefore, in consideration of the sum of <u>one</u> do acknowledged, and other good and valuable consideration, I/We, assign and transfer unto said assignee the full and exclusive right and the entire right, title and interest in and to any and all Pate United States, I/We hereby authorize and request the Commission United States Patent to said assignee, of the entire right, title, at use and behoof; and for the use and behoof of his legal represent said Patent may be granted, as fully and entirely as the same assignment and sale not been made.	the applicant(s), by these presents do sell, at to the said invention in the United States ents which may be granted therefor in the ner of Patent and Trademarks to issue said and interest in and to the same, for his sole tatives, to the full end of the term for which				
Executed this 2th day of July	, 20 <u>0</u> 5.				
atTokyo, Japan	<del></del>				
	Masahito Suzuki				
	(Signature) Masahito SUZUKI				
Witness:	Witness:				
Istoma Takahashi	Toshimitsu Agatsuma				
Note: Signatures of all the inventors or assignees of record of the entire interest or forms if more than one signature is required, See below*.	their representative(s) are required. Submit multiple				
*  Total of forms are submitted.					

Sample Form (former PTO/SB/15) (05-01) Docket Number (Optional) ASSIGNMENT OF APPLICATION P/126-221 Keizo KAWAKITA Tokyo, Japan Whereas, I/We, \_\_\_\_ ,hereafter referred to as applicant, have invented certain new and useful improvements in SEMICONDUCTOR MEMORY DEVICE AND METHOD OF MANUFACTURING THE SAME x for which an application for a United States Patent was filed on 7/24/2003 Application Number 10 / 626,095 for which an application for a United States Patent was executed on Hitachi, Ltd. of Tokyo, Japan, Elpida Memory, Inc. Tokyo, Japan Whereas, and Hitachi ULSI Systems, Co., Ltd. Tokyo, Japan 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, 2-1, Yaesu 2-chome, Chuo-ku, Tokyo, Japan "assignees" whose mailing addresses are and 22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo, Japan, respectively. are desirous of acquiring the entire right, title and interest in the same; Now, therefore, in consideration of the sum of one dollars (\$ 1.00 ), the receipt whereof is acknowledged, and other good and valuable consideration, I/We, the applicant(s), by these presents do sell, assign and transfer unto said assignee the full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Patents which may be granted therefor in the United States, I/We hereby authorize and request the Commissioner of Patent and Trademarks to issue said United States Patent to said assignee, of the entire right, title, and interest in and to the same, for his sole use and behoof; and for the use and behoof of his legal representatives, to the full end of the term for which said Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made. 27th Executed this July day of Tokyo, Japan (Signature) Witness Witness: Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, See below\*. \* 🗆 Total of forms are submitted.

Sample Form (former PTO/SB/15) (05-01)

Docket Number (Optional)

ASSIGNMENT OF APPLICATION	Docket Number (Optional) P/126-221	
vviicicas, ii vve,	, Japan,hereafter	
referred to as applicant, have invented certain new and useful improvement SEMICONDUCTOR MEMORY DEVICE AND METHOD OF MANUFACTU		
for which an application for a United States Patent was filed on $\frac{7/2}{626,095}$ .	24/2003	
for which an application for a United States Patent was executed on	, and	
Hitachi, Ltd. of Tokyo, Japa Whereas, Elpida Memory, Inc. of Tokyo, Japan		
Hitachi ULSI Systems, Co., Ltd. of Tokyo, Japan	herein referred to	
"assignees" whose mailing addresses are 2-1, Yaesu 2-chome, Chuo-k	home, Chiyoda-ku, Tokyo, Japan ku, Tokyo, Japan and	
22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo, Japan, respectively,	are	
Now, therefore, in consideration of the sum of <u>one</u> dollars (\$_1 acknowledged, and other good and valuable consideration, I/We, the applicance assign and transfer unto said assignee the full and exclusive right to the said the entire right, title and interest in and to any and all Patents which United States, I/We hereby authorize and request the Commissioner of Pate United States Patent to said assignee, of the entire right, title, and interest use and behoof; and for the use and behoof of his legal representatives, to said Patent may be granted, as fully and entirely as the same would hassignment and sale not been made.	ant(s), by these presents do sell, aid invention in the United States may be granted therefor in the ent and Trademarks to issue said in and to the same, for his sole the full end of the term for which	
Executed this 27th day of July	, 20_04	
atTokyo, Japan	<del></del> .	
Witness:  Takashu Ozaara (Signature)  Witness:	, mayara aan min am	
Note: Signatures of all the inventors or assignees of record of the entire interest or their representations if more than one signature is required, See below*.	ntative(s) are required. Submit multiple	
* * Total offorms are submitted.		

forms are submitted.

Sample Form (former PTO/SB/15) (05-01)

Docket Number (Optional)

ASSIGNMENT OF APPLICATION		P/126-221	
Whereas, I/We, Atsushi OGISHIMAof	Tokyo, Ja	apan,here	after
referred to as applicant, have invented certain new and us	seful improvements in	)	
SEMICONDUCTOR MEMORY DEVICE AND METHOD	OF MANUFACTURI	NG THE SAME	
for which an application for a United States Patent was 10 626,095  Application Number /	as filed on	2003	
for which an application for a United States Patent wa			and
Hitachi, Ltd. of Elpida Memory, Inc. of	Tokyo, Japan, Tokyo, Japan	and	, and
	okyo, Japan		
6, Kanda		herein refer me, Chiyoda-ku, Tokyo, Japan	Ted to Tokyo, Ja _ and
22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo, Japan	respectively,		are
assign and transfer unto said assignee the full and exclusion and the entire right, title and interest in and to any and United States, I/We hereby authorize and request the Con United States Patent to said assignee, of the entire right, use and behoof; and for the use and behoof of his legal resaid Patent may be granted, as fully and entirely as the assignment and sale not been made.	all Patents which manissioner of Patent title, and interest in epresentatives, to the	ay be granted therefor and Trademarks to issent and to the same, for full end of the term for	or in the sue said his sole or which
Executed this 27thday of	July	, 2004	
atTokyo, Japan			
Witness:	(Signature) Witness:	1. Ozish: ma Atsushi OGISH	IMA
Takashi Ozawa (= )	001	200 Junos	1
ote: Signatures of all the inventors or assignees of record of the entire in	terest or their representati	ive(s) are required. Submit	multiple
Total of forms are submitted			